Site Plans

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South End Retrofits

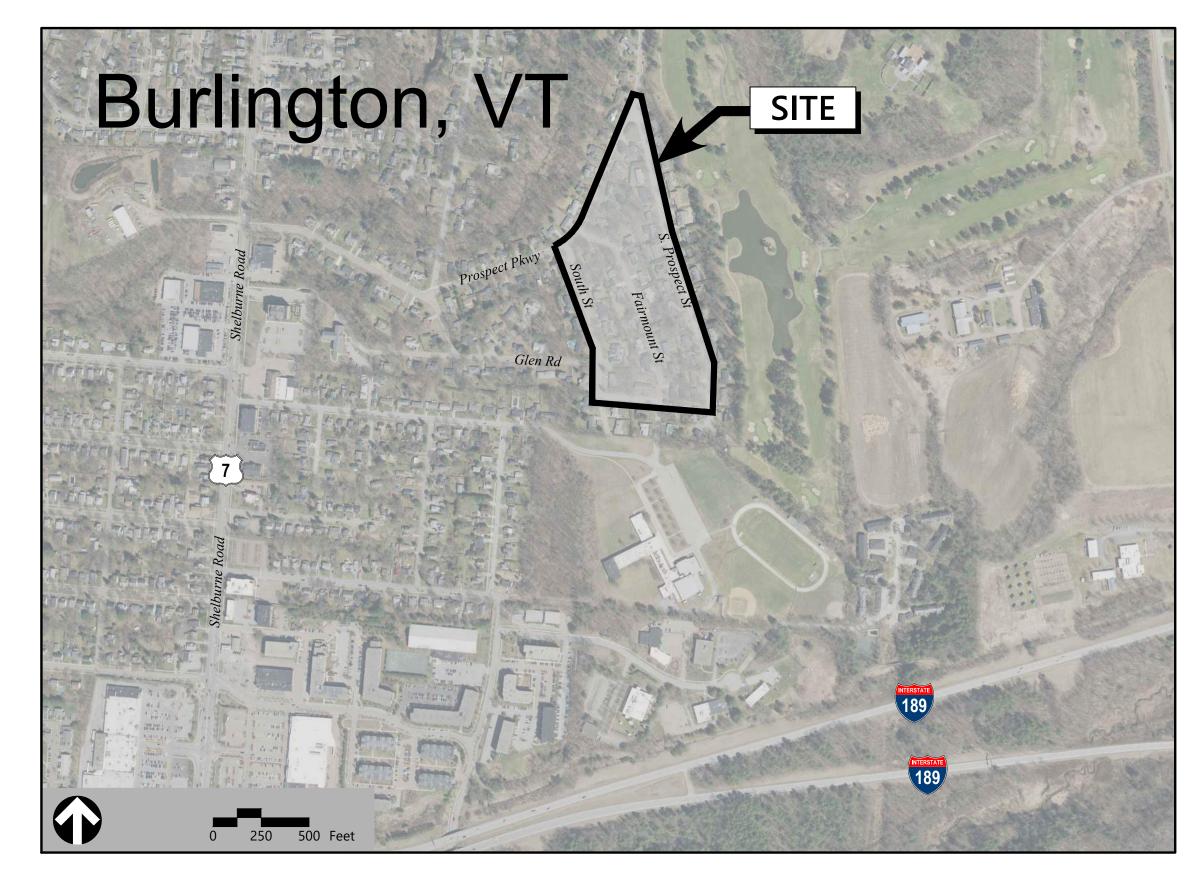
Intersection of S. Prospect Street and Prospect Parkway City of Burlington, VT

Owner

City of Burlington
Department of Public Works
149 Church Street
Burlington, VT 05401

Applicant

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No.	Drawing Title	No.	Drawing Title
:-0.01	Legend and General Notes	C-4.01	Site Details 1
:-1.00	Overall Existing Conditions Plan	C-4.02	Site Details 2
:-1.01	Existing Conditions Plan	L-1.00	Overall Planting Plan
-1.02	Existing Conditions Plan	L-1.01	Planting Plan
:-1.03	Existing Conditions Plan	L-1.02	Planting Plan
-1.04	Existing Conditions Plan	L-1.03	Planting Plan
:-2.01	Demolition and Erosion Control Plan	L-1.04	Planting Plan
2.02	Demolition and Erosion Control Plan	L-2.00	Planting Details
2-2.03	Demolition and Erosion Control Plan		
-2.04	Demolition and Erosion Control Plan		
-3.00	Overall Layout and Materials Plan		
:-3.01	Layout and Materials Plan		
-3.02	Layout and Materials Plan		
-3.03	Layout and Materials Plan		
-3.04	Layout and Materials Plan		



Exist.	Prop.		Exist.	Prop.	
		PROPERTY LINE			CONCRETE
		PROJECT LIMIT LINE			BUILDINGS
		RIGHT-OF-WAY/PROPERTY LINE			RIPRAP
		EASEMENT	DAULPOAL		CONSTRUCTION EXIT
		PARKING SETBACK		V694V694U	
10+00	10+00	BASELINE			
		CONSTRUCTION LAYOUT	27.35 TC×	27.35 TC×	TOP OF CURB ELEVATION
		ZONING LINE	26.85 BC×	26.85 BC×	BOTTOM OF CURB ELEVATION
		TOWN LINE	132.75 ×	132.75 ×	SPOT ELEVATION
			45.0 TW 38.5 BW	45.0 TW 38.5 BW	TOP & BOTTOM OF WALL ELEVATIO
		LIMIT OF DISTURBANCE	•	*	BORING LOCATION
<u> </u>		WETLAND LINE WITH FLAG	-		TEST PIT LOCATION
		FLOODPLAIN	○ MW	→ MW	MONITORING WELL
———ВZ—		WETLAND BUFFER ZONE	LID	LID	
——NDZ—		NO DISTURB ZONE	———UD——— (P21) 12"D	——UD—— 12″D—►	UNDERDRAIN
				6"RD →	DRAIN
		GRAVEL ROAD	6"RD (P34) 12"S	12 " S	ROOF DRAIN
EOP	EOP	EDGE OF PAVEMENT	FM	FM	SEWER
ВВ	ВВ	BITUMINOUS BERM			FORCE MAIN
ВС	BC	BITUMINOUS CURB	—— OHW ——	OHW	OVERHEAD WIRE
CC	CC	CONCRETE CURB	6"W	6"W	WATER
-	CG		4"FP	——4"FP——	FIRE PROTECTION
CC	ECC	CURB AND GUTTER	_	——2"DW——	DOMESTIC WATER
CC	MCC	EXTRUDED CONCRETE CURB	3 " G	——-G——	GAS
CC	PCC	MONOLITHIC CONCRETE CURB	——Е——	——Е——	ELECTRIC
SGE	SGE	PRECAST CONC. CURB	STM	——STM——	STEAM
VGC	VGC	SLOPED GRAN. EDGING	——Т——	——т—	TELEPHONE
¥00		VERT. GRAN. CURB	——FA——	——FA——	FIRE ALARM
		LIMIT OF CURB TYPE		—— CATV——	CABLE TV
		SAWCUT	_		CATCH BASIN CONCENTRIC
1//////					CATCH BASIN ECCENTRIC
74	_	BUILDING			DOUBLE CATCH BASIN CONCENTRIC
	☐EN	BUILDING ENTRANCE			DOUBLE CATCH BASIN ECCENTRIC
•	•	BOLLARD		<u> </u>	GUTTER INLET
-	•	SIGN	(D)	•	DRAIN MANHOLE CONCENTRIC
	±	DOUBLE SIGN	(D)	•	DRAIN MANHOLE ECCENTRIC
				<u> </u>	TRENCH DRAIN
T T		STEEL GUARDRAIL	I	r	PLUG OR CAP
			_co	co	CLEANOUT
		DATIL	•	•	FLARED END SECTION
		PATH	· /	` /	HEADWALL
\sim	7 7 7 7 7 7	TREE LINE			
×	-x	WIRE FENCE	(\$)	•	SEWER MANHOLE CONCENTRIC
0	•	FENCE	(\$)		SEWER MANHOLE ECCENTRIC
0	-	STOCKADE FENCE	CS ●	CS ●	CURB STOP & BOX
000000	∞	STONE WALL	WV ●	₩V •	WATER VALVE & BOX
		RETAINING WALL		НҮР	WATER VALVE & BOX
		STREAM / POND / WATER COURSE	HYD WM	ᄻ WM	FIRE HYDRANT
		DETENTION BASIN	•	•	WATER METER
0 0 0 0 0 0 0 0 0 0		HAY BALES	GG O	GG O	GAS GATE
×	——×——	SILT FENCE	O GM ⊡	⊙ GM ⊡	GAS METER
<	· C::::::> ·	SILT SOCK / STRAW WATTLE			OAS WELL
4	—— 4 ——	MINOR CONTOUR	E	● ^{EMH}	ELECTRIC MANHOLE
	20	MAJOR CONTOUR	EM	EM ⊡	ELECTRIC METER
DVI	nvi		φ	*	LIGHT POLE
DYL	DYL	DOUBLE YELLOW LINE	(● ^{TMH}	TELEPHONE MANHOLE
SL	SL	STOP LINE		- []	
		CROSSWALK	T	T	TRANSFORMER PAD
		ACCESSIBLE CURB RAMP	-0-	•	UTILITY POLE
<u>/ </u>	<u>گ</u>	ACCESSIBLE PARKING	0-	•-	GUY POLE
		-		1	
Ë.	Çv		Ţ	Ţ	GUY WIRE & ANCHOR
	C.		, HH □	HH T	GUY WIRE & ANCHOR HAND HOLE

MATCHLINE

Abbreviations		<u>N</u>	Notes			
Genera	l	Ge	eneral			
ABAN	ABANDON	1.	CONTRACTOR SHALL NOTIFY "DIG-SAFE" (1-888-344-7233) AT LEAST 72 HOURS BEFORE, AND NOT			
ACR	ACCESSIBLE CURB RAMP	2	MORE THAN 30 DAYS BEFORE, BEGINNING ANY EXCAVATION AT ANY LOCATION.			
ADJ	ADJUST	2.	CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITI SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.			
APPROX	APPROXIMATE	3.	ACCESSIBLE ROUTES, PARKING SPACES, RAMPS, SIDEWALKS AND WALKWAYS SHALL BE CONSTRUCTE IN CONFORMANCE WITH THE FEDERAL AMERICANS WITH DISABILITIES ACT AND WITH STATE AND			
BIT	BITUMINOUS		LOCAL LAWS AND REGULATIONS (WHICHEVER ARE MORE STRINGENT).			
BS	BOTTOM OF SLOPE	4.	WITHIN THE LIMITS OF THE BUILDING FOOTPRINT, THE SITE CONTRACTOR SHALL PERFORM EARTHWORK OPERATIONS REQUIRED UP TO SUBGRADE ELEVATIONS.			
BWLL	BROKEN WHITE LANE LINE	5.	WORK WITHIN THE LOCAL RIGHTS-OF-WAY SHALL CONFORM TO LOCAL MUNICIPAL STANDARDS.			
CONC	CONCRETE		WORK WITHIN STATE RIGHTS-OF-WAY SHALL CONFORM TO THE LATEST EDITION OF THE STATE HIGHWAY DEPARTMENTS STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.			
DYCL	DOUBLE YELLOW CENTER LINE	6.	UPON AWARD OF CONTRACT, CONTRACTOR SHALL MAKE NECESSARY CONSTRUCTION NOTIFICATION			
EL ELEV	ELEVATION ELEVATION		AND APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK INDICATED ON THE DRAWINGS, IN THE SPECIFICATIONS, AND IN THE CONTRACT			
EX	EXISTING		DOCUMENTS. DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, AND FIRE HYDRANTS, WITHOU APPROPRIATE PERMITS.			
FDN	FOUNDATION	7.	TRAFFIC SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE CURRENT VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND ITS LATEST REVISIONS.			
FFE	FIRST FLOOR ELEVATION	8	AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS			
GRAN	GRANITE	0.	SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.			
GTD	GRADE TO DRAIN	9.	IN THE EVENT THAT SUSPECTED CONTAMINATED SOIL, GROUNDWATER, AND OTHER MEDIA ARE			
LA	LANDSCAPE AREA	-	ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION ACTIVITIES BASED ON VISUAL, OLFACTOR OR OTHER EVIDENCE, THE CONTRACTOR SHALL STOP WORK IN THE VICINITY OF THE SUSPECT			
LOD	LIMIT OF DISTURBANCE		MATERIAL TO AVOID FURTHER SPREADING OF THE MATERIAL, AND SHALL NOTIFY THE OWNER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN.			
MAX	MAXIMUM	10.	CONTRACTOR SHALL PREVENT DUST, SEDIMENT, AND DEBRIS FROM EXITING THE SITE AND SHALL BE			
MIN	MINIMUM		RESPONSIBLE FOR CLEANUP, REPAIRS AND CORRECTIVE ACTION IF SUCH OCCURS.			
NIC	NOT IN CONTRACT	11.	DAMAGE TO PROPERTY OR FEATURES NOT DESIGNATED FOR REMOVAL OR MODIFICATION SHALL BE REPAIRED TO PRECONSTRUCTION CONDITION OR BETTER BY THE CONTRACTOR AT NO ADDITIONAL			
NTS	NOT TO SCALE	12	COST TO OWNER.			
PERF	PERFORATED	12.	CONTRACTOR SHALL CONTROL STORMWATER RUNOFF DURING CONSTRUCTION TO PREVENT ADVEF IMPACTS TO OFF SITE AREAS, AND SHALL BE RESPONSIBLE TO REPAIR RESULTING DAMAGES, IF ANY, AND COST TO OWNER.			
PROP	PROPOSED	12	ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE STATE OF VERMONT AGENCY OF			
REM	REMOVE	15.	TRANSPORATION'S STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2018, AND ITS LATEST REVISIONS, AND SUCH SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THE			
RET	RETAIN		FINAL CONTRACT DOCUMENTS.			
R&D	REMOVE AND DISPOSE	14.	FULL ACCESS TO ALL DRIVES WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED AT ALL TIMES. IF FU ACCESS CANNOT BE MAINTAINED, THE CONTRACTOR SHALL CONTACT AND COORDINATE WITH THE			
R&R	REMOVE AND RESET		BUSINESS OR PROPERTY OWNER AT LEAST 24 HOURS IN ADVANCE OF TEMPORARILY CLOSING OFF THACCESS.			
SWEL	SOLID WHITE EDGE LINE	15.	ANY WASTE MATERIAL SHALL BE REMOVED AND HAULED TO AN APPROVED OFF-SITE ACTIVITY AREA			
SWLL	SOLID WHITE LANE LINE		ACCORDANCE WITH VTRANS CONSTRUCTION SPECIFICATIONS.			
TS TYP	TOP OF SLOPE TYPICAL		SEE 2018 VTRANS STANDARD SPECIFICATIONS FOR CONSTRUCTION FOR ADDITIONAL INFORMATION ilities			
	TTPICAL		THE LOCATIONS, SIZES, AND TYPES OF EXISTING UTILITIES ARE SHOWN AS AN APPROXIMATE			
Utility			REPRESENTATION ONLY. THE OWNER OR ITS REPRESENTATIVE(S) HAVE NOT INDEPENDENTLY VERIFIED THIS INFORMATION AS SHOWN ON THE PLANS. THE UTILITY INFORMATION SHOWN DOES NOT			
СВ	CATCH BASIN		GUARANTEE THE ACTUAL EXISTENCE, SERVICEABILITY, OR OTHER DATA CONCERNING THE UTILITIES, NOR DOES IT GUARANTEE AGAINST THE POSSIBILITY THAT ADDITIONAL UTILITIES MAY BE PRESENT			
CMP	CORRUGATED METAL PIPE		THAT ARE NOT SHOWN ON THE PLANS. PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY AND DETERMINE THE EXACT LOCATIONS, SIZES, AN			
CO	CLEANOUT		ELEVATIONS OF THE POINTS OF CONNECTIONS TO EXISTING UTILITIES AND, SHALL CONFIRM THAT THERE ARE NO INTERFERENCES WITH EXISTING UTILITIES AND THE PROPOSED UTILITY ROUTES,			
DCB	DOUBLE CATCH BASIN		INCLUDING ROUTES WITHIN THE PUBLIC RIGHTS OF WAY.			
DMH CIP	DRAIN MANHOLE CAST IRON PIPE	2.	WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, OR EXISTING CONDITIONS DIFFER FROM THOSE SHOWN SUCH THAT THE WORK CANNOT BE COMPLETED AS			
COND	CONDUIT		INTENDED, THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED IN WRITING TO THE			
DIP	DUCTILE IRON PIPE		OWNER'S REPRESENTATIVE FOR THE RESOLUTION OF THE CONFLICT AND CONTRACTOR'S FAILURE TO NOTIFY PRIOR TO PERFORMING ADDITIONAL WORK RELEASES OWNER FROM OBLIGATIONS FOR ADDITIONAL PAYMENTS WHICH OTHERWISE MAY BE WARRANTED TO RESOLVE THE CONFLICT.			
FES	FLARED END SECTION	3	SET CATCH BASIN RIMS, AND INVERTS OF SEWERS, DRAINS, AND DITCHES IN ACCORDANCE WITH			
FM	FORCE MAIN	3.	ELEVATIONS ON THE GRADING AND UTILITY PLANS.			
F&G	FRAME AND GRATE	4.	RIM ELEVATIONS FOR DRAIN AND SEWER MANHOLES, WATER VALVE COVERS, GAS GATES, ELECTRIC AND TELEPHONE PULL BOXES, AND MANHOLES, AND OTHER SUCH ITEMS, ARE APPROXIMATE AND			
F&C	FRAME AND COVER		SHALL BE SET/RESET AS FOLLOWS:			
GI	GUTTER INLET		A. PAVEMENTS AND CONCRETE SURFACES: FLUSH			
HDPE	HIGH DENSITY POLYETHYLENE PIPE		B. ALL SURFACES ALONG ACCESSIBLE ROUTES: FLUSH			
НН	HANDHOLE		C. LANDSCAPE, LOAM AND SEED, AND OTHER EARTH SURFACE AREAS: ONE INCH ABOVE SURROUNDING AREA AND TAPER EARTH TO THE RIM ELEVATION.			
HW	HEADWALL	5.	THE LOCATION, SIZE, DEPTH, AND SPECIFICATIONS FOR CONSTRUCTION OF PROPOSED PRIVATE UTIL			
HYD	HYDRANT		SERVICES SHALL BE INSTALLED ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED B THE RESPECTIVE UTILITY COMPANY (GAS, TELEPHONE, ELECTRIC, FIRE ALARM, ETC.). FINAL DESIGN			
INV	INVERT ELEVATION	6	LOADS AND LOCATIONS TO BE COORDINATED WITH CITY AND UTILITY OWNER. CONTRACTOR SHALL MAKE ARRANGEMENTS FOR AND SHALL BE RESPONSIBLE FOR PAYING FEES FOR			
l=	INVERT ELEVATION	0.	POLE RELOCATION AND FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE, FIRI ALARM, AND ANY OTHER PRIVATE UTILITIES, WHETHER WORK IS PERFORMED BY CONTRACTOR OR BY			
LP	LIGHT POLE		THE UTILITIES COMPANY.			
MES	METAL END SECTION	7.	UTILITY PIPE MATERIALS SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE PLAN:			
PIV	POST INDICATOR VALVE		A. WATER MAIN PIPES AND PRESSURE COUPLINGS SHALL BE C900 PVC PIPE. SERVICE LINE REPAIL SHALL BE COPPER PIPE.			
PWW	PAVED WATER WAY		B. SANITARY SEWER PIPES SHALL BE ASTM D-3034 SDR35 POLYVINYL CHLORIDE (PVC) SEWER PIF			
PVC	POLYVINYLCHLORIDE PIPE		C. STORM DRAINAGE PIPES SHALL BE HIGH DENSITY POLYETHYLENE (HDPE)			
RCP	REINFORCED CONCRETE PIPE	8.	CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR AND SHALL FURNISH EXCAVATION AND SHALL FURNISH E			
R=	RIM ELEVATION		INSTALLATION, AND BACKFILL OF ELECTRICAL FURNISHED SITEWORK RELATED ITEMS SUCH AS PULL BOXES, CONDUITS, DUCT BANKS, LIGHT POLE BASES, AND CONCRETE PADS. SITE CONTRACTOR SHALE FURNISHE CONCRETE FANCASEMENT OF DUCT BANKS IF REQUIRED BY THE LITHLY COMPANY AND AS			
RIM=	RIM ELEVATION		FURNISH CONCRETE ENCASEMENT OF DUCT BANKS IF REQUIRED BY THE UTILITY COMPANY AND AS INDICATED ON THE DRAWINGS.			
SMH TSV	SEWER MANHOLE TAPPING SLEEVE, VALVE AND BOX	9.	CONTRACTOR SHALL EXCAVATE AND BACKFILL TRENCHES FOR GAS IN ACCORDANCE WITH GAS COMPANY'S REQUIREMENTS.			
UG	UNDERGROUND	10	ALL DRAINAGE AND SANITARY STRUCTURE INTERIOR DIAMETERS (4 FOOT MIN.) SHALL BE DETERMINI			
UP	UTILITY POLE	10.	BY THE MANUFACTURER BASED ON THE PIPE CONFIGURATIONS SHOWN ON THESE PLANS AND LOCA MUNICIPAL STANDARDS. FOR MANHOLES THAT ARE 20 FEET IN DEPTH AND GREATER, THE MINIMUM			
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CONTRACTOR SHALL NOTIFY "DIG-SAFE" (1-888-344-7233) AT LEAST 72 HOURS BEFORE, AND NOT

- MORE THAN 30 DAYS BEFORE, BEGINNING ANY EXCAVATION AT ANY LOCATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
- ACCESSIBLE ROUTES, PARKING SPACES, RAMPS, SIDEWALKS AND WALKWAYS SHALL BE CONSTRUCTED
- WITHIN THE LIMITS OF THE BUILDING FOOTPRINT, THE SITE CONTRACTOR SHALL PERFORM EARTHWORK OPERATIONS REQUIRED UP TO SUBGRADE ELEVATIONS.

- WORK WITHIN THE LOCAL RIGHTS-OF-WAY SHALL CONFORM TO LOCAL MUNICIPAL STANDARDS. WORK WITHIN STATE RIGHTS-OF-WAY SHALL CONFORM TO THE LATEST EDITION OF THE STATE HIGHWAY DEPARTMENTS STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.
- UPON AWARD OF CONTRACT, CONTRACTOR SHALL MAKE NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK INDICATED ON THE DRAWINGS, IN THE SPECIFICATIONS, AND IN THE CONTRACT DOCUMENTS. DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, AND FIRE HYDRANTS, WITHOUT APPROPRIATE PERMITS.
- TRAFFIC SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE CURRENT VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND ITS LATEST REVISIONS.
- AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S
- IN THE EVENT THAT SUSPECTED CONTAMINATED SOIL, GROUNDWATER, AND OTHER MEDIA ARE ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION ACTIVITIES BASED ON VISUAL, OLFACTORY, OR OTHER EVIDENCE, THE CONTRACTOR SHALL STOP WORK IN THE VICINITY OF THE SUSPECT MATERIAL TO AVOID FURTHER SPREADING OF THE MATERIAL, AND SHALL NOTIFY THE OWNER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN.
- CONTRACTOR SHALL PREVENT DUST, SEDIMENT, AND DEBRIS FROM EXITING THE SITE AND SHALL BE RESPONSIBLE FOR CLEANUP, REPAIRS AND CORRECTIVE ACTION IF SUCH OCCURS.
- DAMAGE TO PROPERTY OR FEATURES NOT DESIGNATED FOR REMOVAL OR MODIFICATION SHALL BE REPAIRED TO PRECONSTRUCTION CONDITION OR BETTER BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
- CONTRACTOR SHALL CONTROL STORMWATER RUNOFF DURING CONSTRUCTION TO PREVENT ADVERSE IMPACTS TO OFF SITE AREAS, AND SHALL BE RESPONSIBLE TO REPAIR RESULTING DAMAGES, IF ANY, AT NO COST TO OWNER.
- ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE STATE OF VERMONT AGENCY OF TRANSPORATION'S STANDARD SPECIFRICATIONS FOR CONSTRUCTION, DATED 2018, AND ITS LATEST REVISIONS, AND SUCH SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THE FINAL CONTRACT DOCUMENTS.
- FULL ACCESS TO ALL DRIVES WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED AT ALL TIMES. IF FULL ACCESS CANNOT BE MAINTAINED, THE CONTRACTOR SHALL CONTACT AND COORDINATE WITH THE BUSINESS OR PROPERTY OWNER AT LEAST 24 HOURS IN ADVANCE OF TEMPORARILY CLOSING OFF THE
- ANY WASTE MATERIAL SHALL BE REMOVED AND HAULED TO AN APPROVED OFF-SITE ACTIVITY AREA IN
- SEE 2018 VTRANS STANDARD SPECIFICATIONS FOR CONSTRUCTION FOR ADDITIONAL INFORMATION.
- THE LOCATIONS, SIZES, AND TYPES OF EXISTING UTILITIES ARE SHOWN AS AN APPROXIMATE REPRESENTATION ONLY. THE OWNER OR ITS REPRESENTATIVE(S) HAVE NOT INDEPENDENTLY VERIFIED THIS INFORMATION AS SHOWN ON THE PLANS. THE UTILITY INFORMATION SHOWN DOES NOT GUARANTEE THE ACTUAL EXISTENCE, SERVICEABILITY, OR OTHER DATA CONCERNING THE UTILITIES, NOR DOES IT GUARANTEE AGAINST THE POSSIBILITY THAT ADDITIONAL UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN ON THE PLANS. PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY AND DETERMINE THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF CONNECTIONS TO EXISTING UTILITIES AND, SHALL CONFIRM THAT THERE ARE NO INTERFERENCES WITH EXISTING UTILITIES AND THE PROPOSED UTILITY ROUTES,
- WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, OR EXISTING CONDITIONS DIFFER FROM THOSE SHOWN SUCH THAT THE WORK CANNOT BE COMPLETED AS INTENDED, THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED IN WRITING TO THE OWNER'S REPRESENTATIVE FOR THE RESOLUTION OF THE CONFLICT AND CONTRACTOR'S FAILURE TO NOTIFY PRIOR TO PERFORMING ADDITIONAL WORK RELEASES OWNER FROM OBLIGATIONS FOR ADDITIONAL PAYMENTS WHICH OTHERWISE MAY BE WARRANTED TO RESOLVE THE CONFLICT.
- SET CATCH BASIN RIMS, AND INVERTS OF SEWERS, DRAINS, AND DITCHES IN ACCORDANCE WITH ELEVATIONS ON THE GRADING AND UTILITY PLANS.
- RIM ELEVATIONS FOR DRAIN AND SEWER MANHOLES, WATER VALVE COVERS, GAS GATES, ELECTRIC AND TELEPHONE PULL BOXES, AND MANHOLES, AND OTHER SUCH ITEMS, ARE APPROXIMATE AND SHALL BE SET/RESET AS FOLLOWS:
 - A. PAVEMENTS AND CONCRETE SURFACES: FLUSH

- B. ALL SURFACES ALONG ACCESSIBLE ROUTES: FLUSH
- C. LANDSCAPE, LOAM AND SEED, AND OTHER EARTH SURFACE AREAS: ONE INCH ABOVE SURROUNDING AREA AND TAPER EARTH TO THE RIM ELEVATION.
- THE LOCATION, SIZE, DEPTH, AND SPECIFICATIONS FOR CONSTRUCTION OF PROPOSED PRIVATE UTILITY SERVICES SHALL BE INSTALLED ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY, THE RESPECTIVE UTILITY COMPANY (GAS, TELEPHONE, ELECTRIC, FIRE ALARM, ETC.). FINAL DESIGN LOADS AND LOCATIONS TO BE COORDINATED WITH CITY AND UTILITY OWNER.
- CONTRACTOR SHALL MAKE ARRANGEMENTS FOR AND SHALL BE RESPONSIBLE FOR PAYING FEES FOR POLE RELOCATION AND FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE, FIRE ALARM, AND ANY OTHER PRIVATE UTILITIES, WHETHER WORK IS PERFORMED BY CONTRACTOR OR BY THE UTILITIES COMPANY.
- UTILITY PIPE MATERIALS SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE PLAN:
 - A. WATER MAIN PIPES AND PRESSURE COUPLINGS SHALL BE C900 PVC PIPE. SERVICE LINE REPAIRS SHALL BE COPPER PIPE.
 - B. SANITARY SEWER PIPES SHALL BE ASTM D-3034 SDR35 POLYVINYL CHLORIDE (PVC) SEWER PIPE
 - C. STORM DRAINAGE PIPES SHALL BE HIGH DENSITY POLYETHYLENE (HDPE)
- CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR AND SHALL FURNISH EXCAVATION, INSTALLATION, AND BACKFILL OF ELECTRICAL FURNISHED SITEWORK RELATED ITEMS SUCH AS PULL BOXES, CONDUITS, DUCT BANKS, LIGHT POLE BASES, AND CONCRETE PADS. SITE CONTRACTOR SHALL FURNISH CONCRETE ENCASEMENT OF DUCT BANKS IF REQUIRED BY THE UTILITY COMPANY AND AS INDICATED ON THE DRAWINGS.
- CONTRACTOR SHALL EXCAVATE AND BACKFILL TRENCHES FOR GAS IN ACCORDANCE WITH GAS COMPANY'S REQUIREMENTS.
- ALL DRAINAGE AND SANITARY STRUCTURE INTERIOR DIAMETERS (4 FOOT MIN.) SHALL BE DETERMINED BY THE MANUFACTURER BASED ON THE PIPE CONFIGURATIONS SHOWN ON THESE PLANS AND LOCAL MUNICIPAL STANDARDS. FOR MANHOLES THAT ARE 20 FEET IN DEPTH AND GREATER, THE MINIMUM DIAMETER SHALL BE 5 FEET.

11. RELOCATION OF SPRINKLER SYSTEMS WITHIN THE CITY RIGHT OF WAY AND INSIDE THE LIMIT OF DISTURBANCE SHALL BE COORDINATED WITH THE ENGINEER.

Layout and Materials

- DIMENSIONS ARE FROM THE FACE OF CURB, FACE OF BUILDING, FACE OF WALL, AND CENTER LINE OF PAVEMENT MARKINGS, UNLESS OTHERWISE NOTED.
- 2. CURB RADII ARE 5 FEET UNLESS OTHERWISE NOTED.
- 3. CURBING WITHIN THE SITE SHALL BE CAST-IN-PLACE CONCRETE PER VTRANS STANDARD DETAIL C-10 UPDATED 02-11-2008, UNLESS OTHERWISE INDICATED ON THE PLANS.
- 4. PROPOSED BOUNDS AND ANY EXISTING PROPERTY LINE MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE SET OR RESET BY A PROFESSIONAL LAND SURVEYOR.
- 5. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL VERIFY EXISTING PAVEMENT ELEVATIONS AT INTERFACE WITH PROPOSED PAVEMENTS, AND EXISTING GROUND ELEVATIONS ADJACENT TO DRAINAGE OUTLETS TO ASSURE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED FACILITIES.

- SAWCUT AND REMOVE PAVEMENT WITHIN THE AREAS NECESSARY FOR INSTALLATION OF THE NEW SITE FEATURES. REMOVAL OF PAVEMENT INCLUDES FULL DEPTH OF PAVEMENT AND SUBBASE. SAWCUTS SHALL BE IN CONTINUOUS STRAIGHT LINES AND/OR SMOOTH ARCS.
- 2. CONTRACTOR SHALL DISPOSE OF DEMOLITION DEBRIS IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS, ORDINANCES, AND STATUTES.
- 3. THE DEMOLITION LIMITS DEPICTED IN THE PLANS IS INTENDED TO AID THE CONTRACTOR DURING THE BIDDING AND CONSTRUCTION PROCESS AND IS NOT INTENDED TO DEPICT EACH AND EVERY ELEMENT OF DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING THE DETAILED SCOPE OF DEMOLITION BEFORE SUBMITTING ITS BID/PROPOSAL TO PERFORM THE WORK AND SHALL MAKE NO CLAIMS AND SEEK NO ADDITIONAL COMPENSATION FOR CHANGED CONDITIONS OR UNFORESEEN OR LATENT SITE CONDITIONS RELATED TO ANY CONDITIONS DISCOVERED DURING EXECUTION OF THE
- 4. UNLESS OTHERWISE SPECIFICALLY PROVIDED ON THE PLANS OR IN THE SPECIFICATIONS, THE ENGINEER HAS NOT PREPARED DESIGNS FOR AND SHALL HAVE NO RESPONSIBILITY FOR THE PRESENCE, DISCOVERY, REMOVAL, ABATEMENT OR DISPOSAL OF HAZARDOUS MATERIALS, TOXIC WASTES OR POLLUTANTS AT THE PROJECT SITE. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY CLAIMS OF LOSS, DAMAGE, EXPENSE, DELAY, INJURY OR DEATH ARISING FROM THE PRESENCE OF HAZARDOUS MATERIAL AND CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE ENGINEER FROM ANY CLAIMS MADE IN CONNECTION THEREWITH. MOREOVER, THE ENGINEER SHALL HAVE NO ADMINISTRATIVE OBLIGATIONS OF ANY TYPE WITH REGARD TO ANY CONTRACTOR AMENDMENT INVOLVING THE ISSUES OF PRESENCE, DISCOVERY, REMOVAL, ABATEMENT OR DISPOSAL OF ASBESTOS OR OTHER HAZARDOUS MATERIALS.

Erosion Control

- PRIOR TO STARTING ANY OTHER WORK ON THE SITE, THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES AND SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS IDENTIFIED IN FEDERAL, STATE, AND LOCAL APPROVAL DOCUMENTS PERTAINING TO THIS PROJECT.
- CONTRACTOR SHALL INSPECT AND MAINTAIN EROSION CONTROL MEASURES ON A WEEKLY BASIS (MINIMUM) OR AS REQUIRED PER THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). THE CONTRACTOR SHALL ADDRESS DEFICIENCIES AND MAINTENANCE ITEMS WITHIN TWENTY-FOUR HOURS OF INSPECTION. CONTRACTOR SHALL PROPERLY DISPOSE OF SEDIMENT SUCH THAT IT DOES NOT ENCUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS.
- CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT SEDIMENTATION SHALL NOT AFFECT REGULATORY PROTECTED AREAS, WHETHER SUCH SEDIMENTATION IS CAUSED BY WATER, WIND, OR DIRECT DEPOSIT.
- 4. CONTRACTOR SHALL PERFORM CONSTRUCTION SEQUENCING SUCH THAT EARTH MATERIALS ARE EXPOSED FOR A MINIMUM OF TIME BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED TO PREVENT EROSION.
- 5. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, CONTRACTOR SHALL REMOVE AND DISPOSE OF EROSION CONTROL MEASURES AND CLEAN SEDIMENT AND DEBRIS FROM ENTIRE DRAINAGE AND SEWER SYSTEMS.
- 6. ALL DEWATERING ACTIVITIES ARE CONSIDERED INCIDENTAL TO THE PAY ITEMS APPLICABLE TO THE CONSTRUCTION OF THE BIORETENTION BUMPOUTS.

Existing Conditions Information

- BASE PLAN: THE PROPERTY LINES SHOWN ARE BASED ON STATE PARCEL MAPPING DATA AND ARE APPROXIMATE ONLY. THE TOPOGRAPHY AND PHYSICAL FEATURES ARE BASED ON AN ACTUAL FIELD SURVEY PERFORMED ON THE GROUND BY VHB, DURING APRIL 2019. NO SUBSURFACE UTILITY EXPLORATION WAS PERFORMED, AND ALL UNDERGROUND UTILITIES ARE APPROXIMATE.
- 2. TOPOGRAPHY: ELEVATIONS ARE BASED ON NAVD88 BASED ON GPS OBSERVATIONS UTILIZING VT

Document Use

- 1. THESE PLANS AND CORRESPONDING CADD DOCUMENTS ARE INSTRUMENTS OF PROFESSIONAL SERVICE, AND SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN FOR WHICH IT WAS CREATED WITHOUT THE EXPRESSED, WRITTEN CONSENT OF VHB. ANY UNAUTHORIZED USE, REUSE, MODIFICATION OR ALTERATION, INCLUDING AUTOMATED CONVERSION OF THIS DOCUMENT SHALL BE AT THE USER'S SOLE RISK WITHOUT LIABILITY OR LEGAL EXPOSURE TO VHB.
- 2. CONTRACTOR SHALL NOT RELY SOLELY ON ELECTRONIC VERSIONS OF PLANS, SPECIFICATIONS, AND DATA FILES THAT ARE OBTAINED FROM THE DESIGNERS, BUT SHALL VERIFY LOCATION OF PROJECT FEATURES IN ACCORDANCE WITH THE PAPER COPIES OF THE PLANS AND SPECIFICATIONS THAT ARE SUPPLIED AS PART OF THE CONTRACT DOCUMENTS.
- SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SCALED TO THEIR ACTUAL DIMENSIONS OR LOCATIONS ON THE DRAWINGS. THE CONTRACTOR SHALL REFER TO THE DETAIL SHEET DIMENSIONS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.



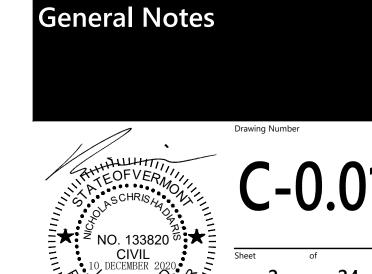
South End Retrofits

S. Prospect St. and Prospect Pky Burlington, VT

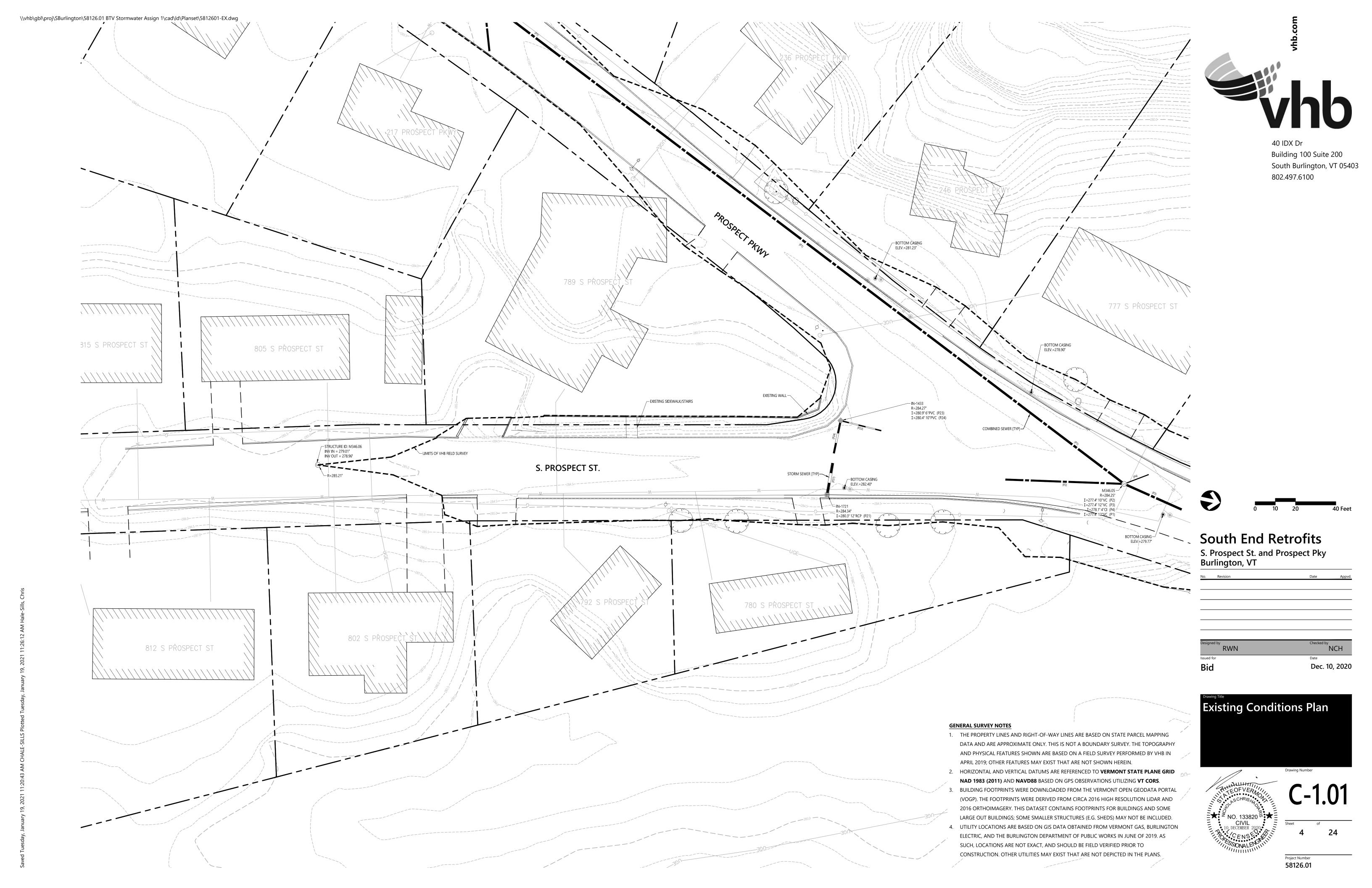
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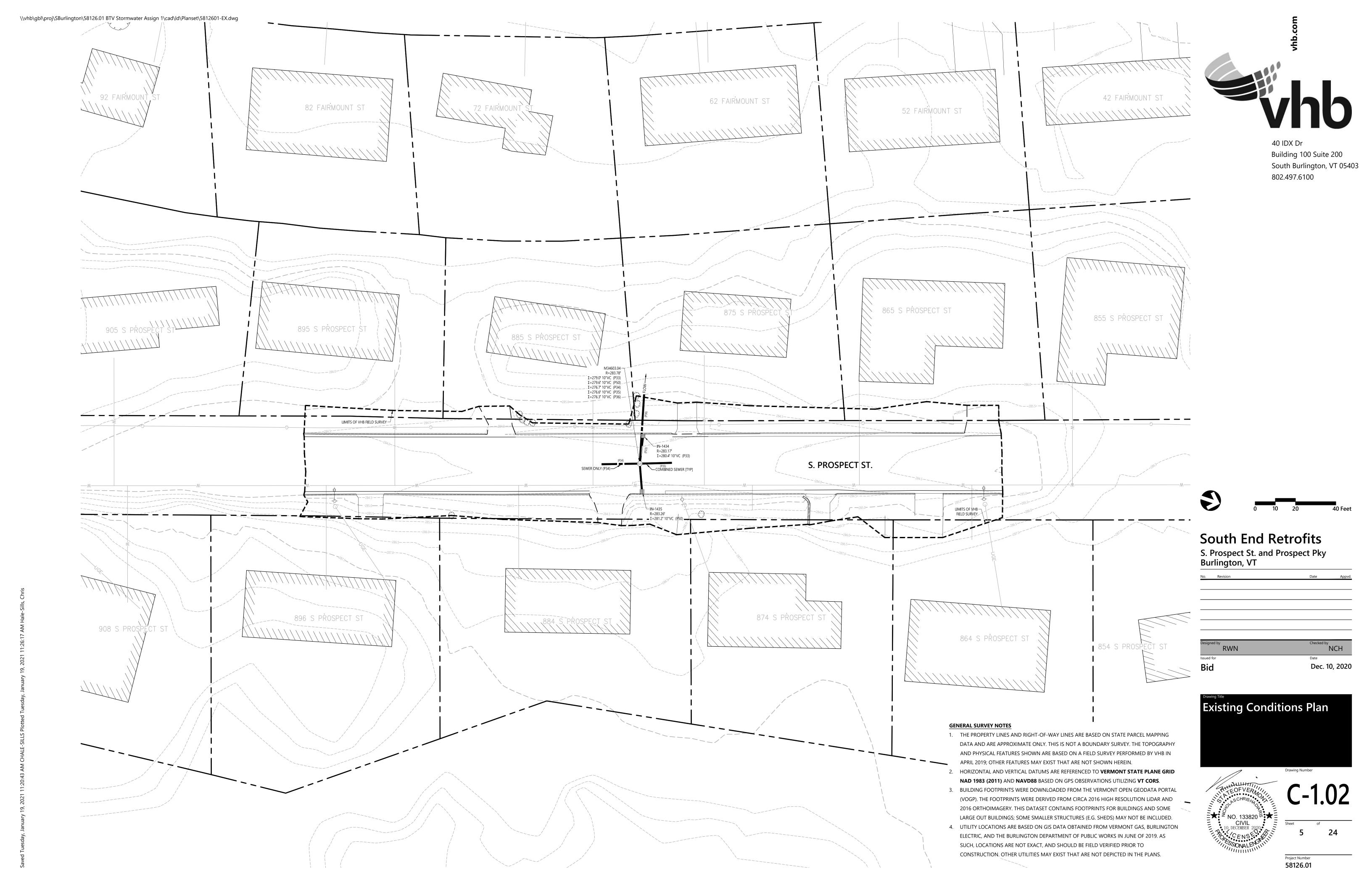
	- 11
Designed by	Checked by
RWN	NCH

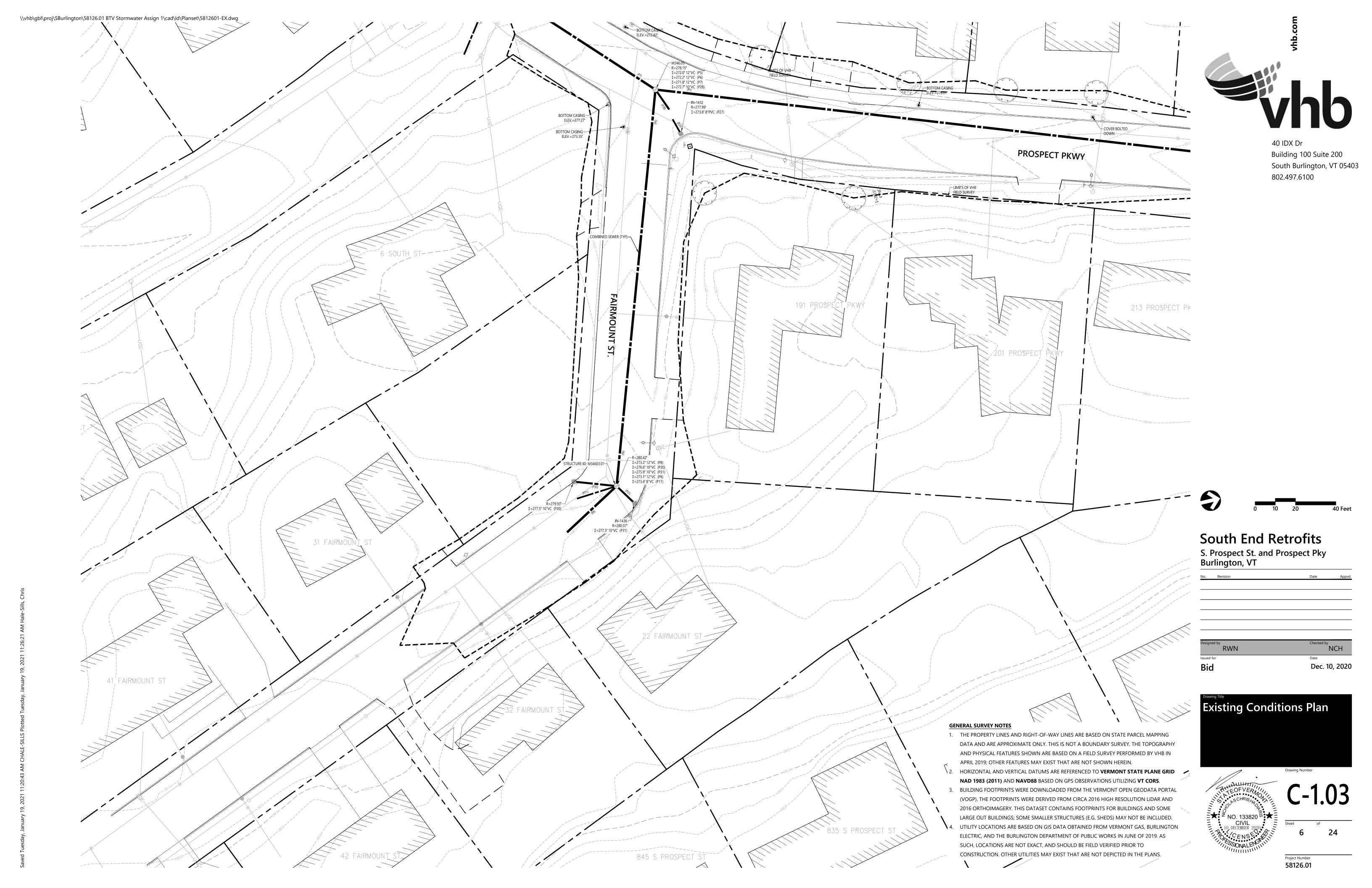
Dec. 10, 2020

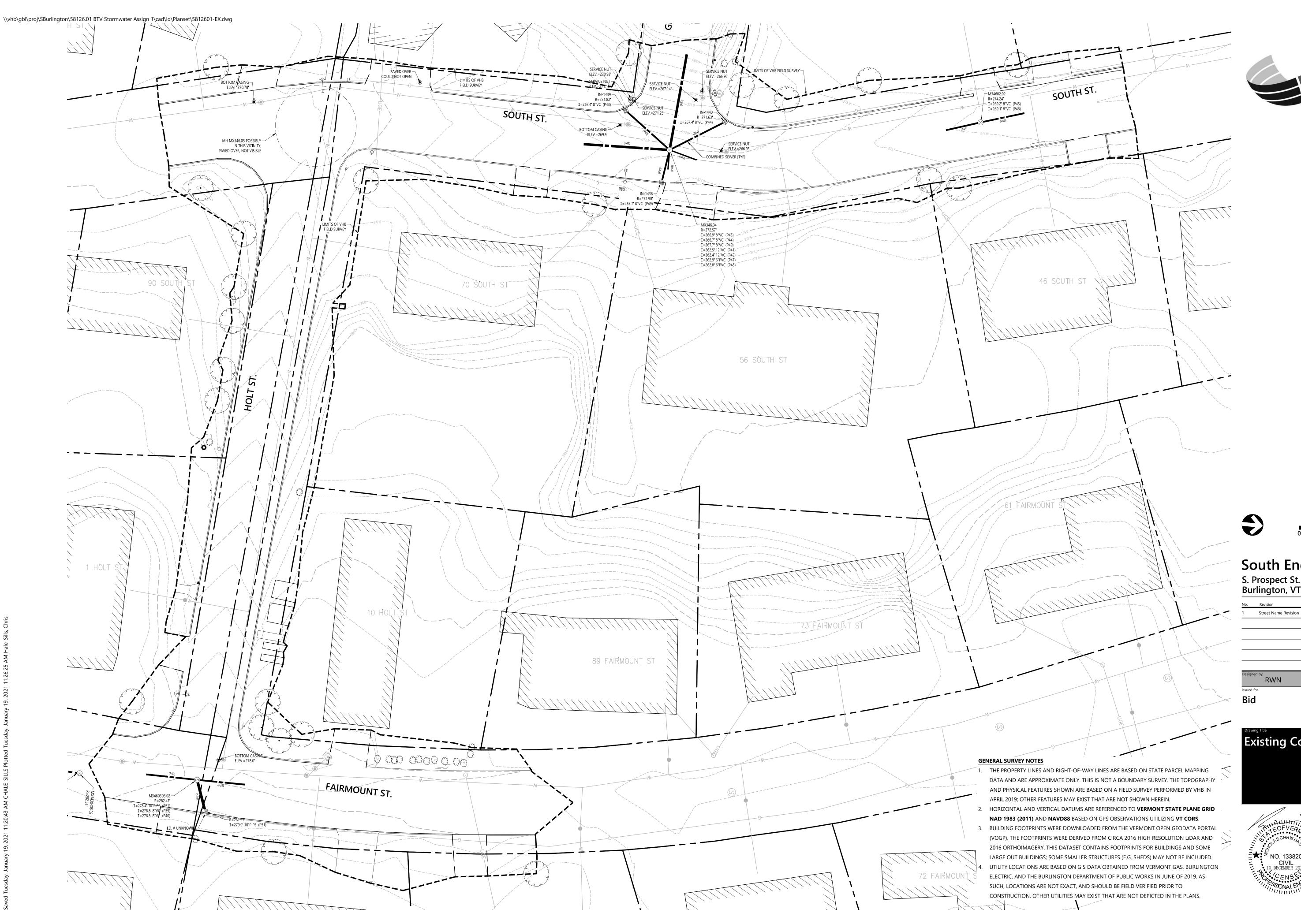














Building 100 Suite 200

802.497.6100

South Burlington, VT 05403

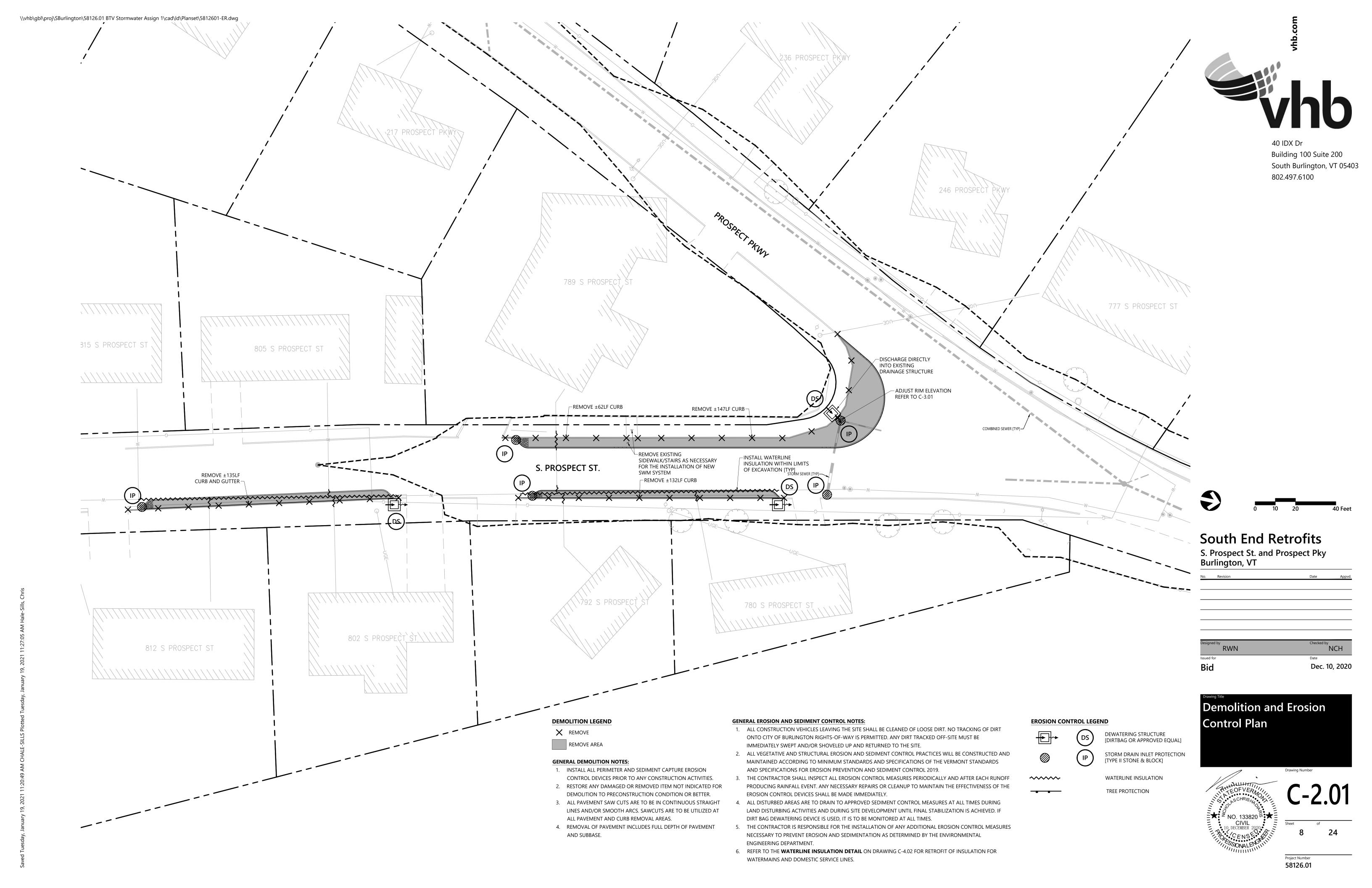
South End Retrofits

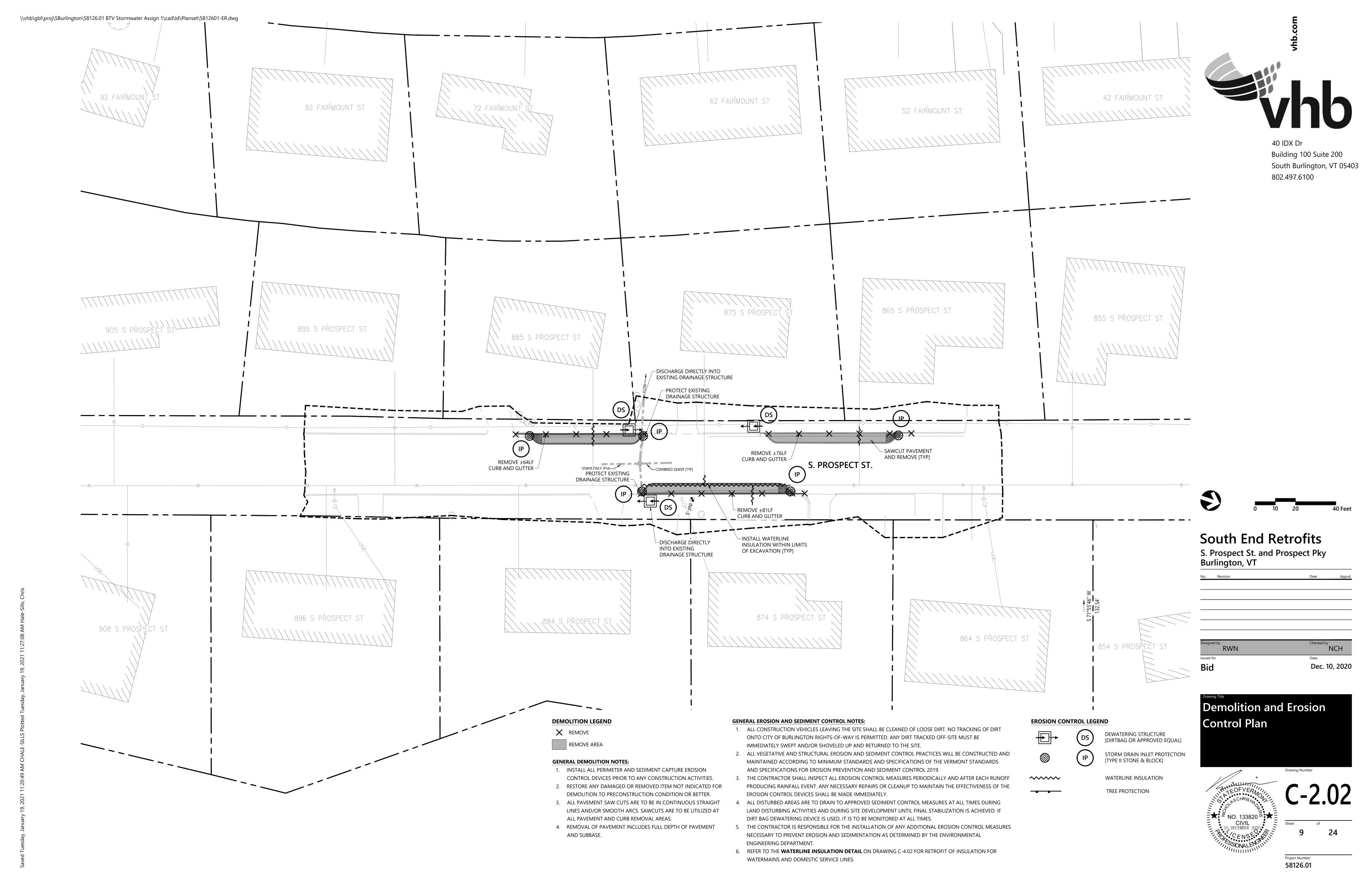
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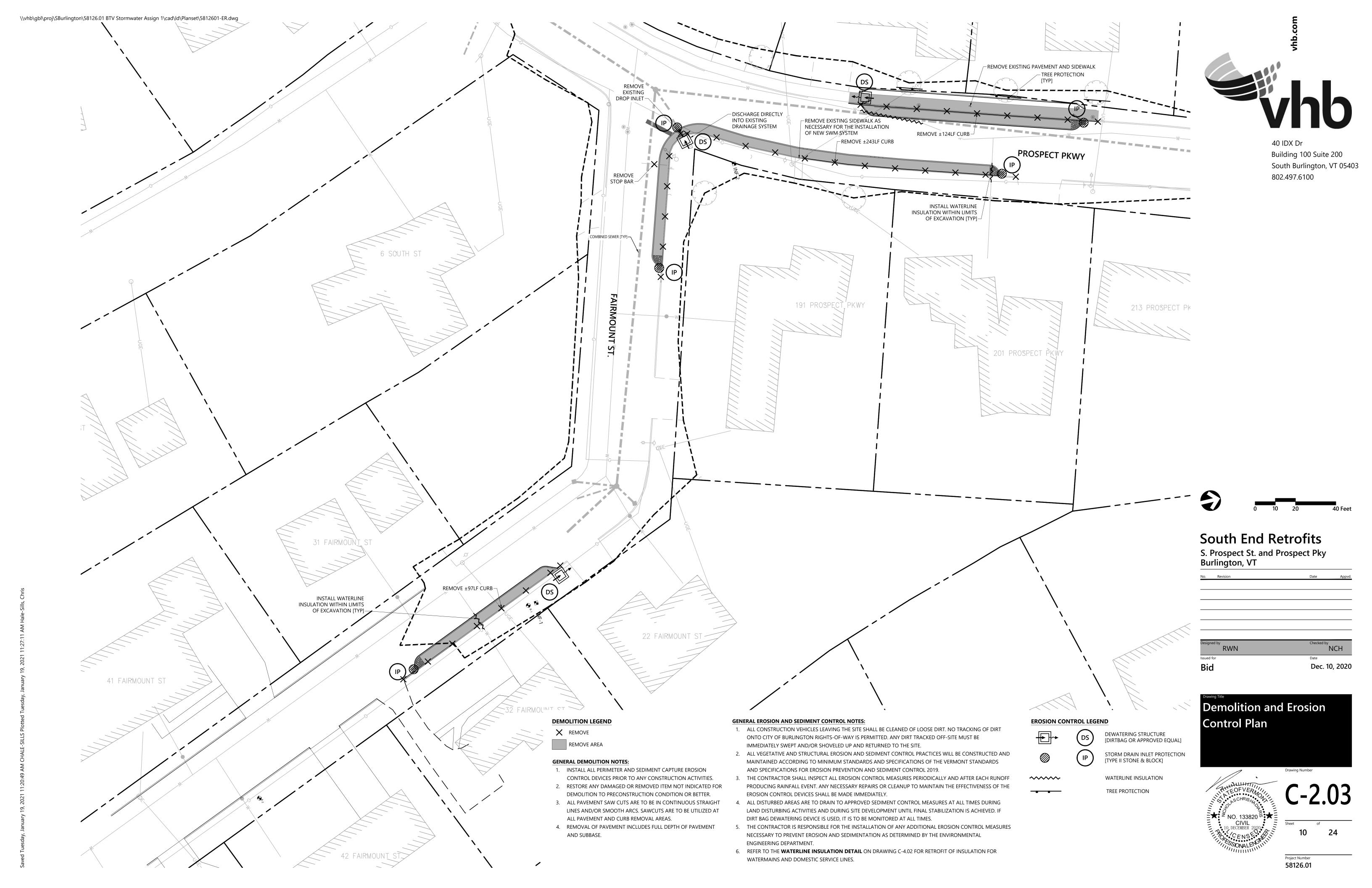
Designed by	Checked by
RWN	NCH
Issued for	Date

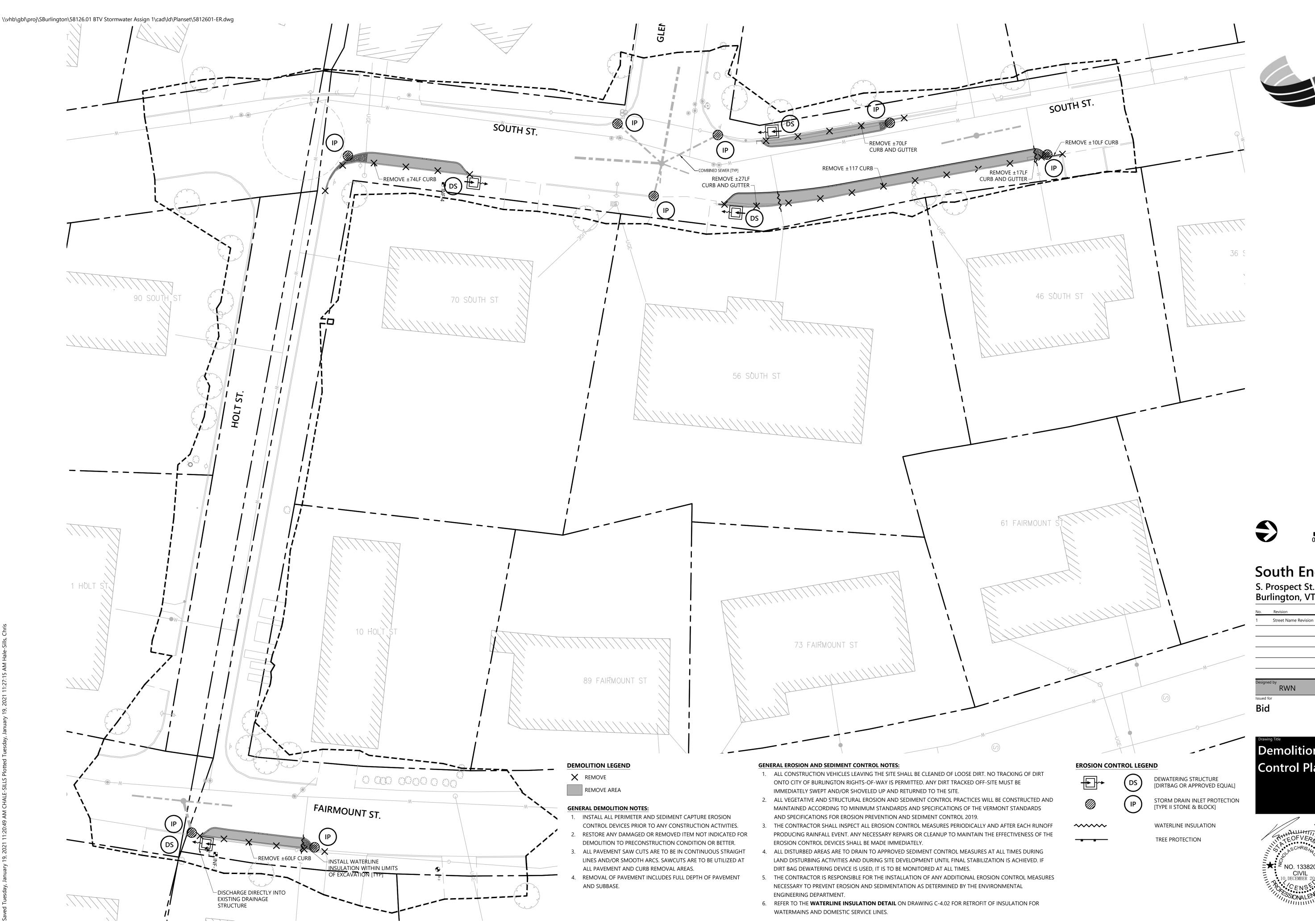
Existing Conditions Plan













40 IDX Dr Building 100 Suite 200 South Burlington, VT 05403 802.497.6100

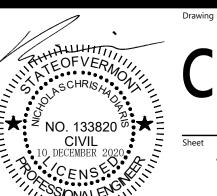




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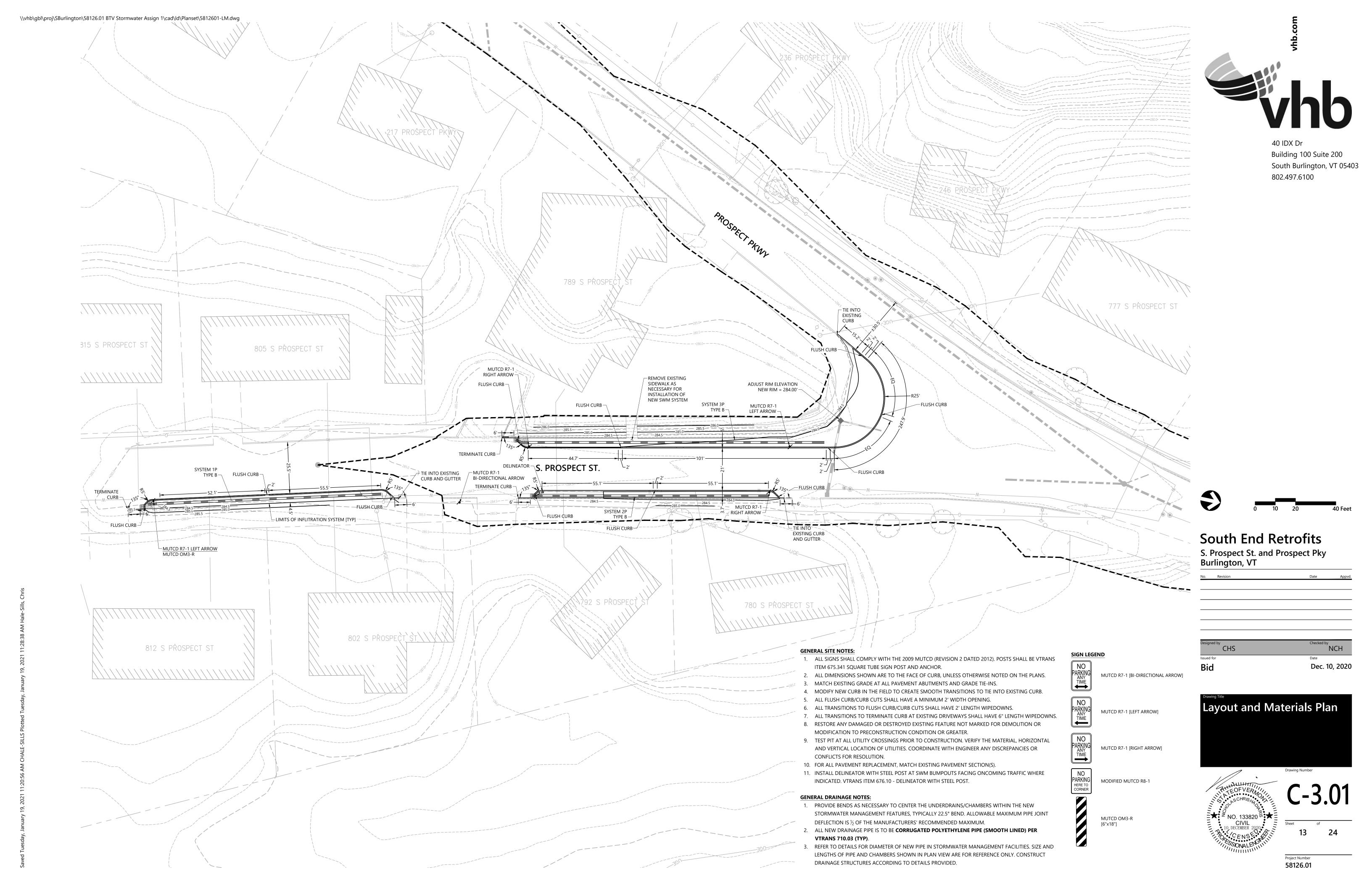
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RWN	NCH
Issued for	Date
Bid	Dec. 10, 2020
DIU	DCC. 10, 2020

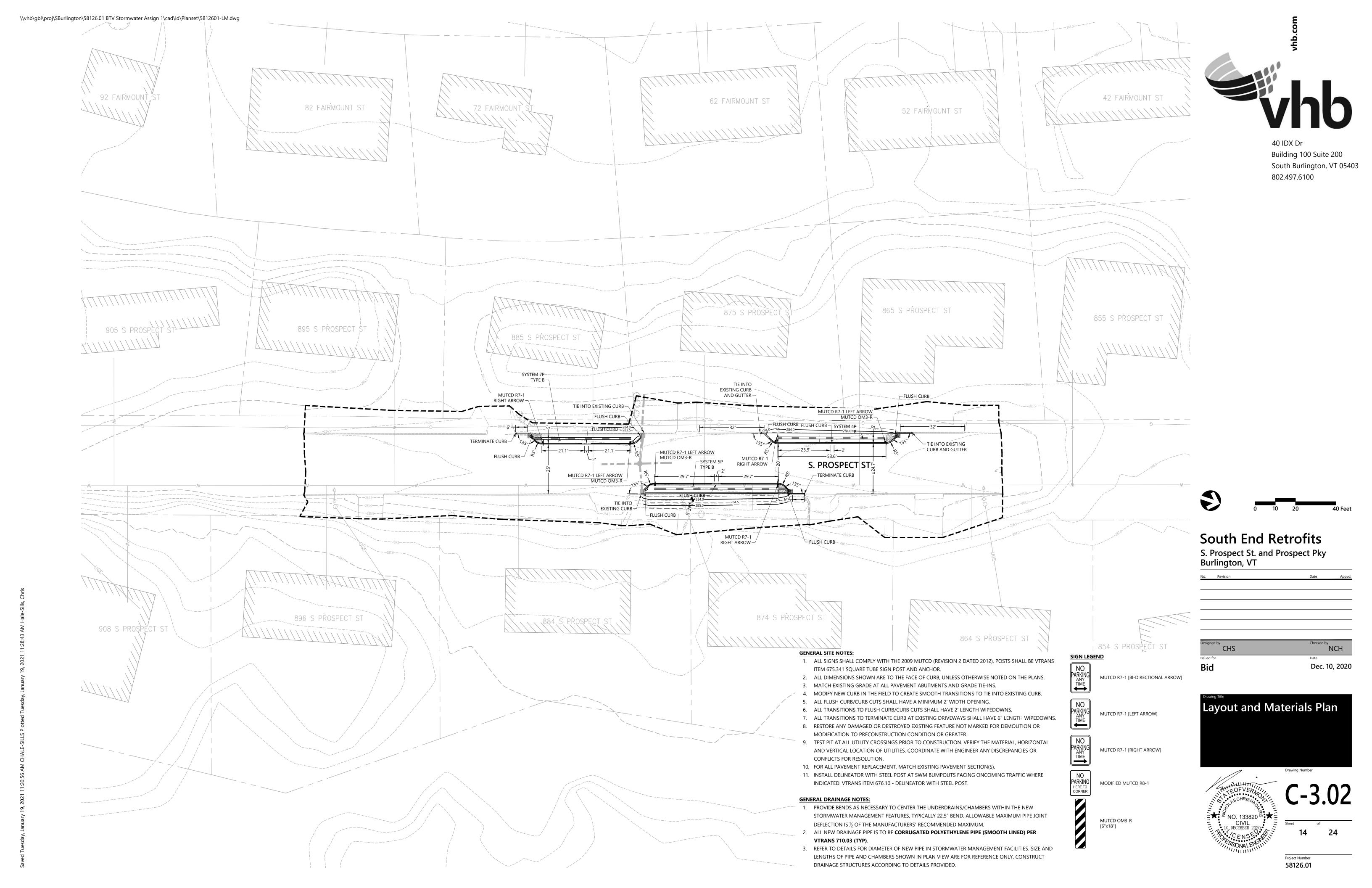
Demolition and Erosion Control Plan

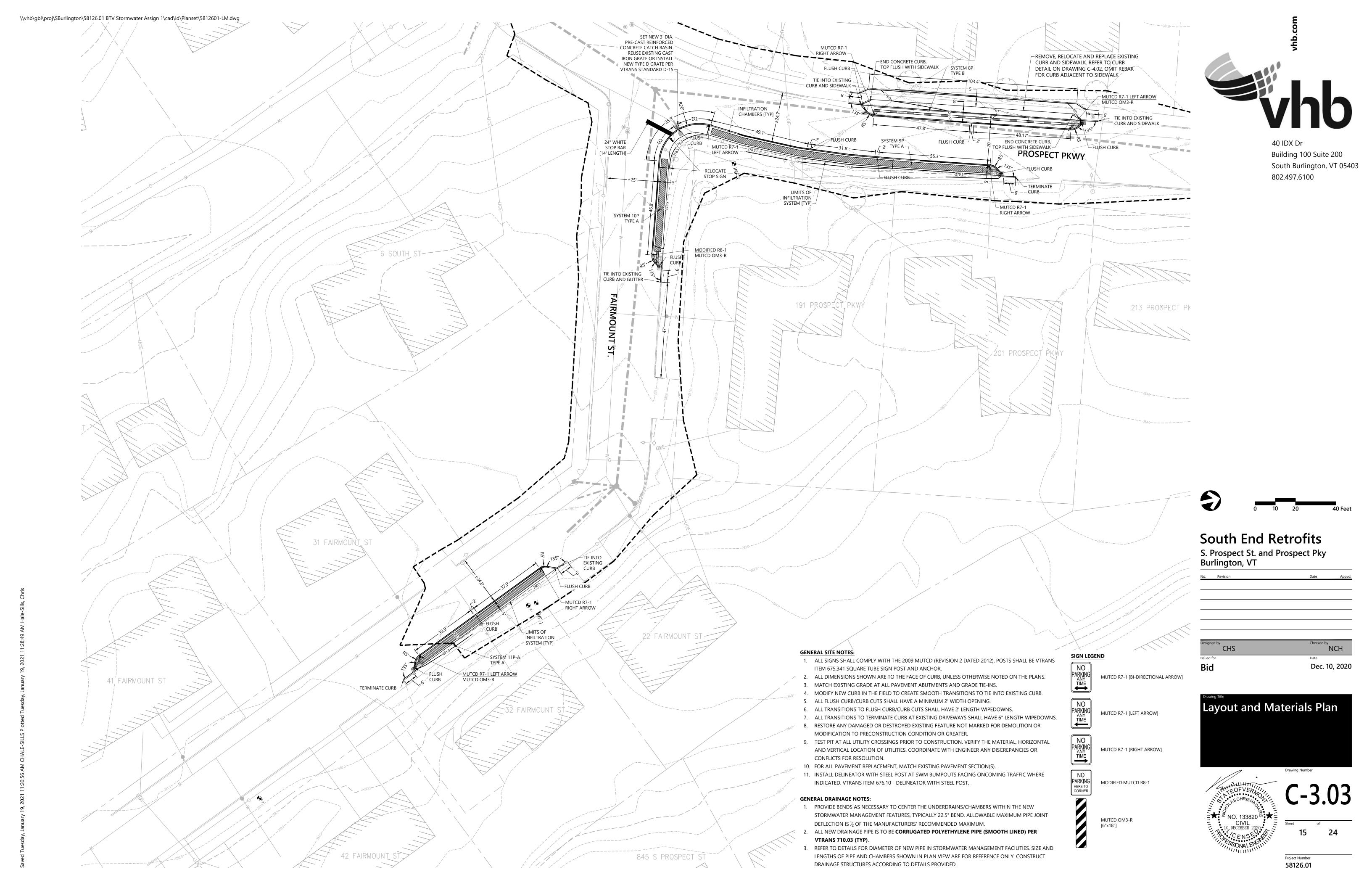


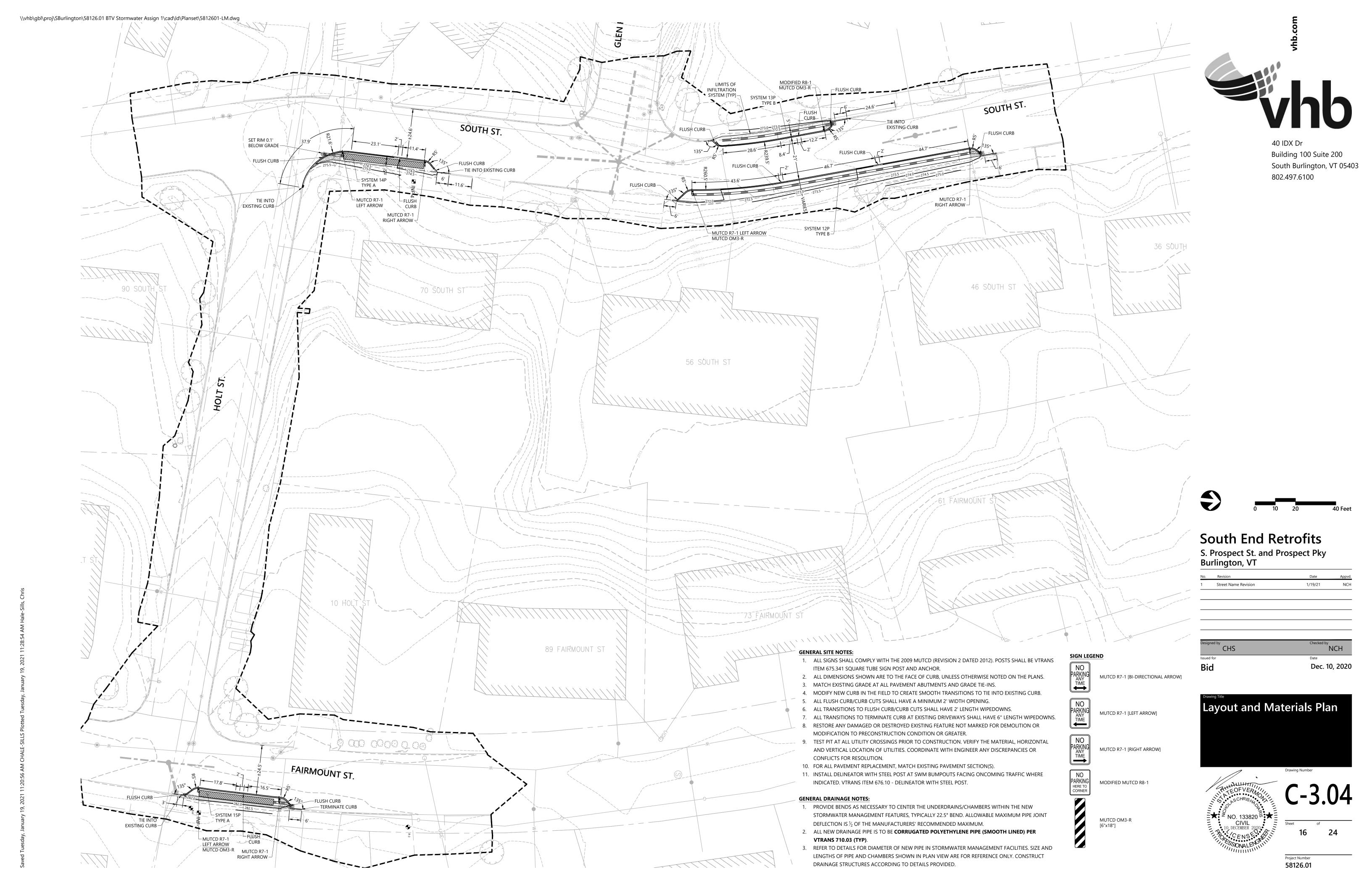
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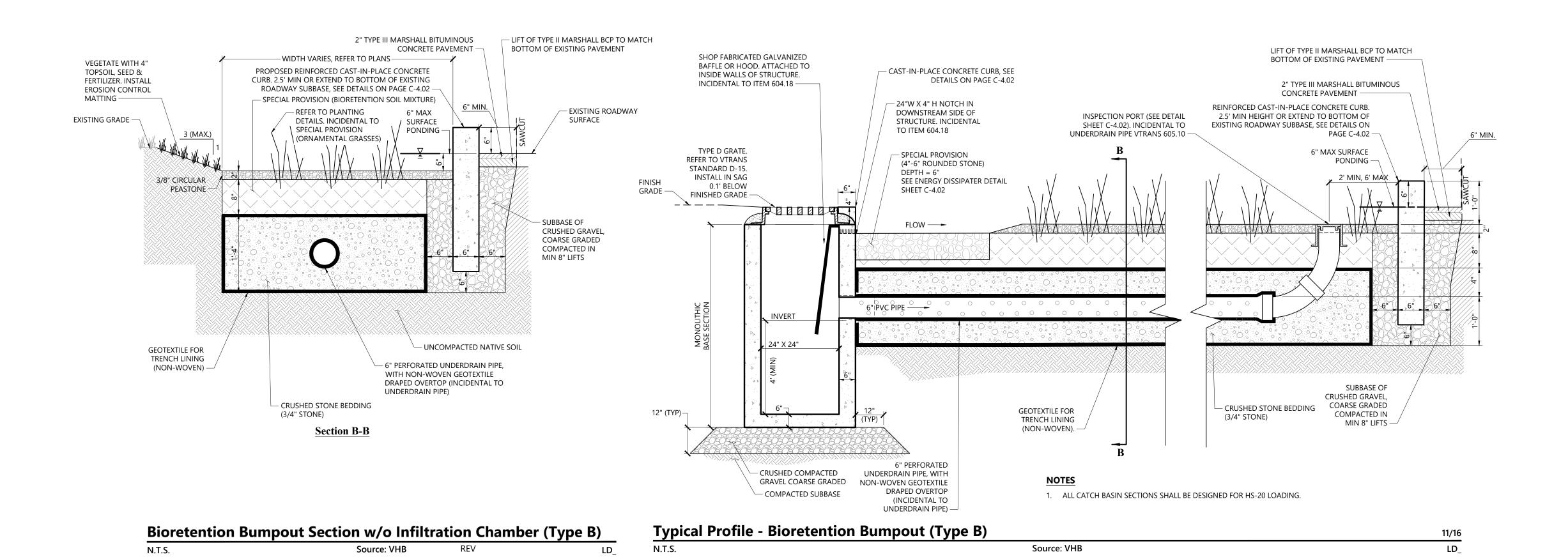






Source: VHB

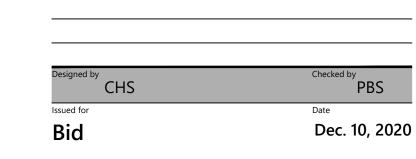
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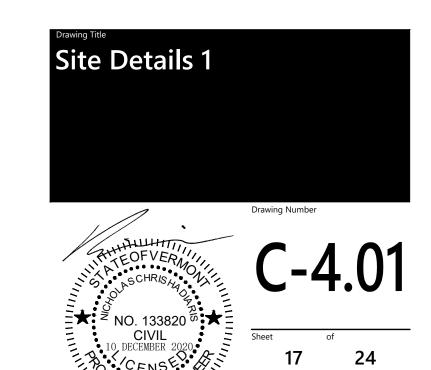


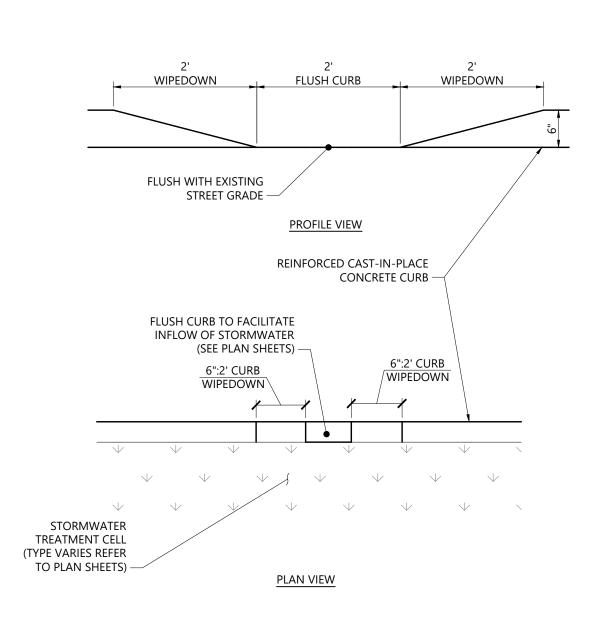
South End Retrofits

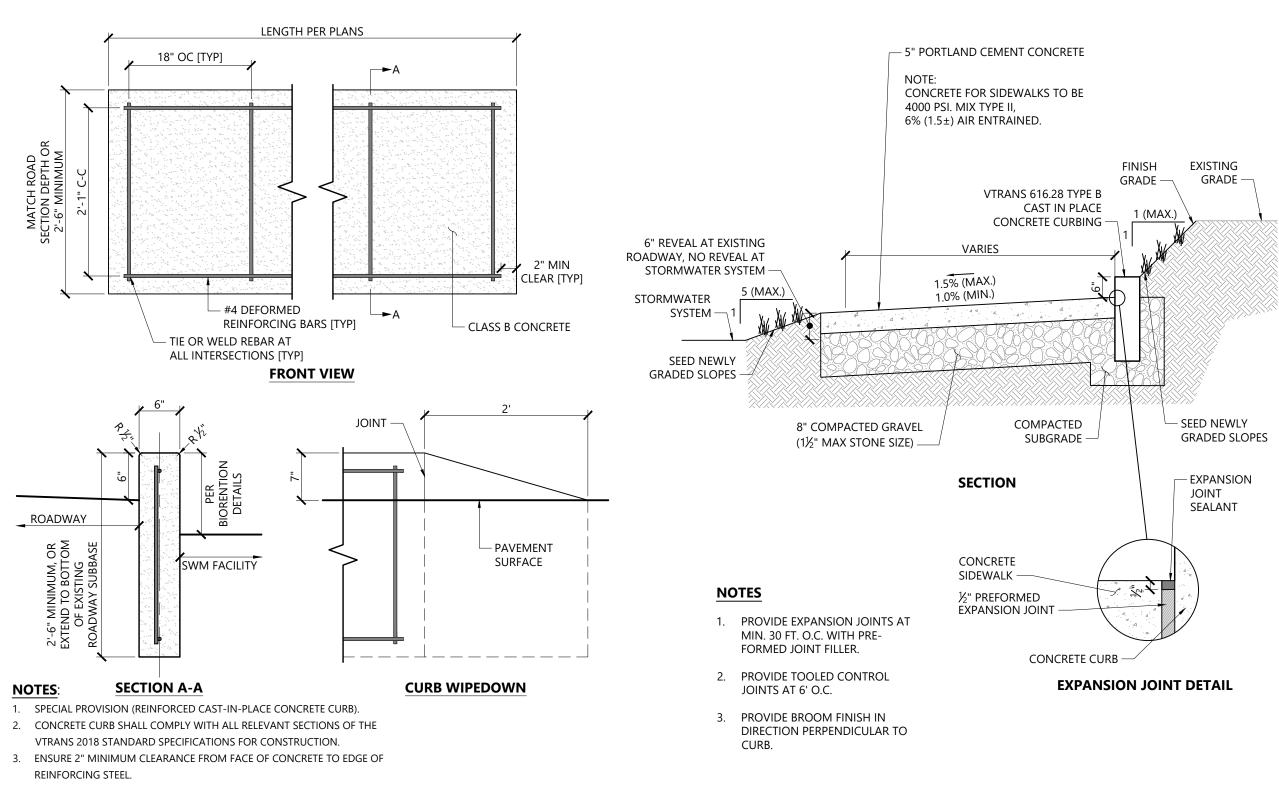
S. Prospect St. and Prospect Pky Burlington, VT

LD_

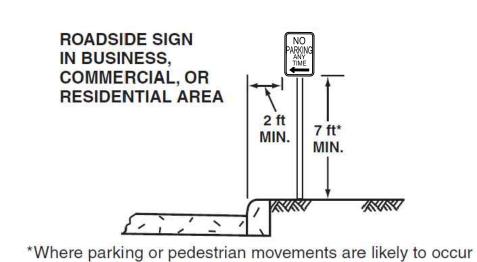












Sign Installation Guidelines

N.T.S. Source: MUTCD

Wipedown Detail2/20N.T.S.Source: VHBLD_

REINFORCED CAST-IN-PLACE CONCRETE CURB,

−48" MIN.----

SPECIAL PROVISION (4"-6"

ROUNDED STONE) DEPTH = 6" -

3":1' CURB WIPEDOWN

3":1' CURB

WIPEDOWN *

PRETREATMENT CATCH BASIN FOR TYPE A AND B SYSTEMS.

CATCH BASIN WITHOUT BAFFLE FOR TYPE A SYSTEMS

CURB FLUSH

FLOW -

WITH EXISTING ROADWAY GRADE – 6" REVEAL. 2.5' MIN HEIGHT OR EXTEND TO

BOTTOM OF EXISTING ROADWAY SUBBASE. -

PLANTING BED. SEE DETAILS

ON SHEET C-4.01 AND

LANDSCAPING DETAILS -

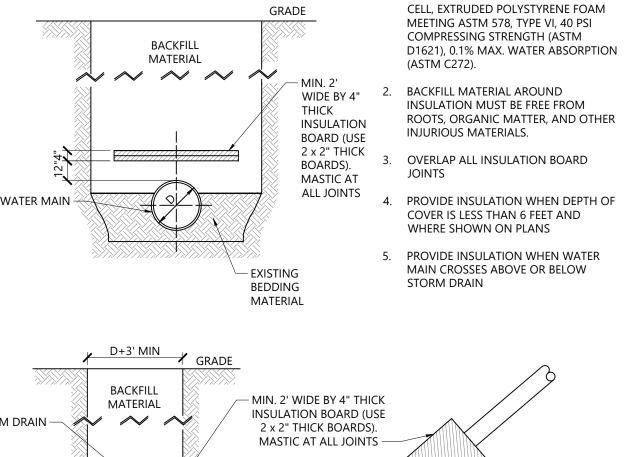
— 1:3 SLOPE TO EXISTING GRADE (SEE PLANS AND SECTION

Reinforced Cast-In-Place Curb

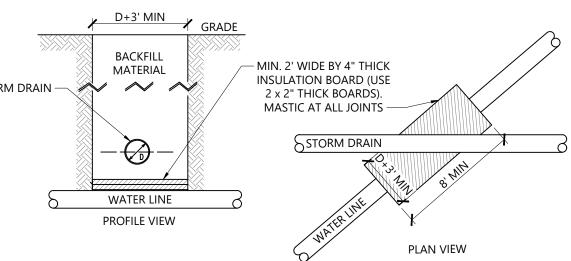
N.T.S. Source: VHB

12/19 Concrete Sidewalk At System 8P 2/20 N.T.S. Source: VHB REV LD_

BACKFILL MATERIAL WATER MAIN THREADED CAP BEDDING MATERIAL - PANELLA TYPE CLEANOUT WITH COUNTERSUNK HEAD D+3' MIN GRADE PIPE SEAL GASKET BACKFILL - INSPECTION PORT PER INFILTRATION MATERIAL CHAMBER MANUFACTURER'S SPECIFICATIONS. INCIDENTAL TO SPECIAL STORM DRAIN — PROVISION (INFILTRATION CHAMBER)



1. INSULATION BOARD TO BE CLOSED





I.T.S. Source: VHB LD_

Inspection Port1/17N.T.S.Source: VHBLD_

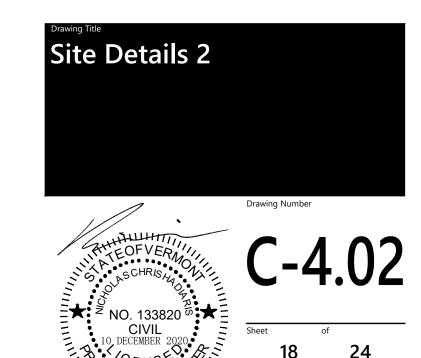
Water Line Isulation12/19N.T.S.Source: VHBLD_

South End Retrofits

S. Prospect St. and Prospect Pky Burlington, VT

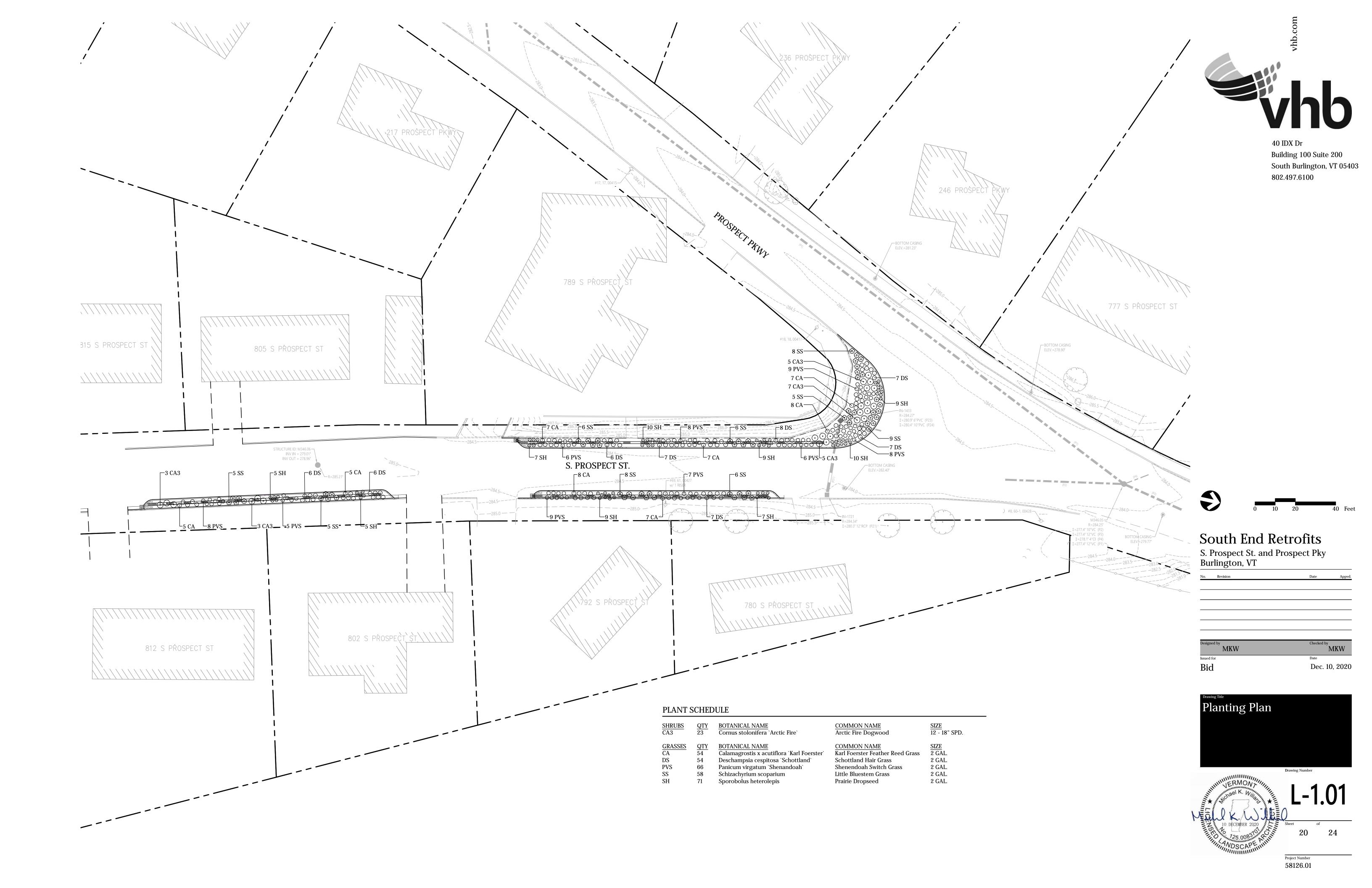
Designed by CHS PBS
Issued for Date

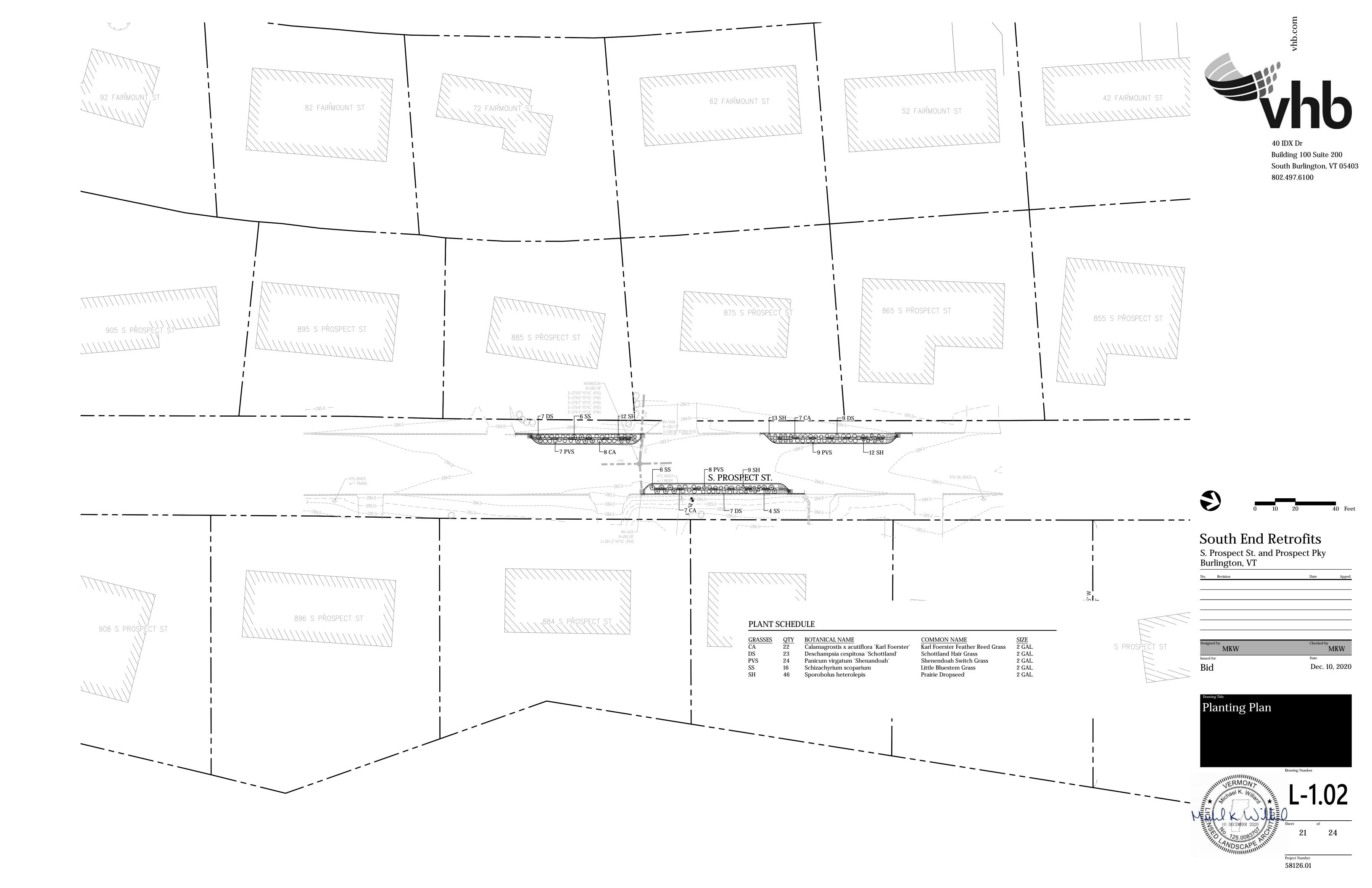
Bid Dec. 10, 2020



Project Number 58126.01



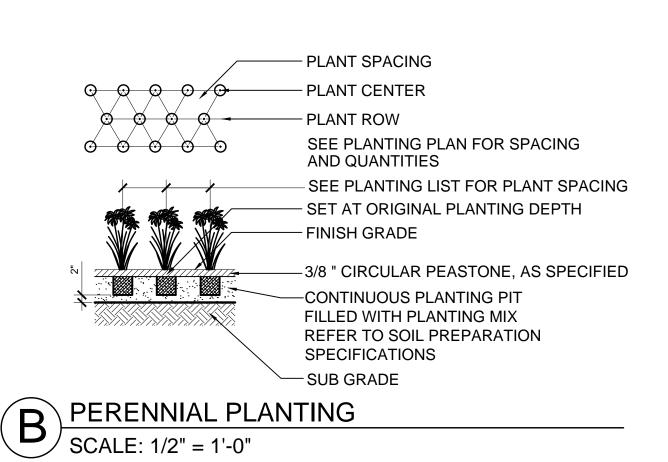


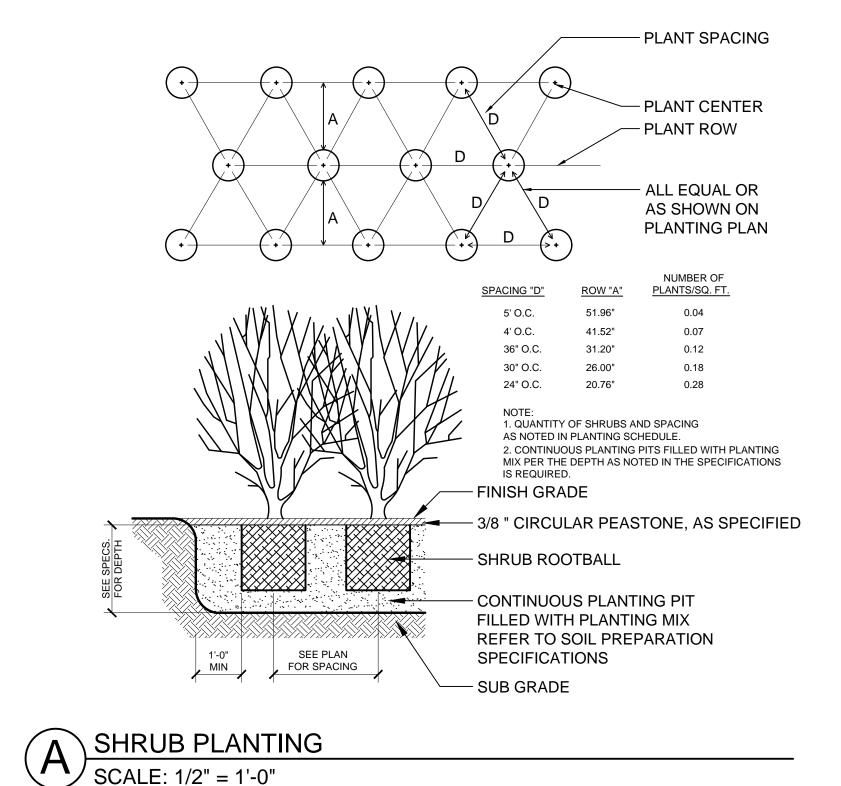












SCALE: 1/2" = 1'-0"

